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1 MSKGEELFTGVVPILVELDG......VLLXFVTAAGITHGMDELYK 238
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/cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
/cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
                    GenCore version 5.1.6
(c) 1993 - 2005 Compugen Ltd.
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US-09-129-192C-74
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Maximum Match 100%
Listing first 45 summaries
                                                                                                                   OM protein - protein search, using sw model
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Gapop 10.0 , Gapext 0.5
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seq length: 200000000
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Match Length DB
                                             Copyright
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Sequence 6, Appli
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Sequence 100, Appl
Sequence 102, Appl
Sequence 101, Appl
Sequence 110, Appl
Sequence 2, Appli
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Sequence 90, Appli
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Sequence 152,
US-09-472-065A-5
US-09-472-065A-6
US-09-479-645A-94
US-09-479-645A-98
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US-09-479-645A-100
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US-09-479-645A-148
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US-09-479-645A-148
US-09-479-645A-148
US-09-479-645A-160
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US-09-479-645A-160
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61 VŢŢXSYGVQCFSRYPDHMKRHDFFKSAMPEGYVQERŢĪFFKDDGNYKŢRAEVKFEGDŢLV 120
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                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 238;
US-08-753-143-2
; Sequence 2, Application US/08753143A; GENERAL INFORMATION:
; GENERAL INFORMATION:
; APPLICANT: Tsien, Roger
; TITLE OF INVENTION: MODIFIED GREEN FLUORESCENT PROTEINS; FILE REFERENCE: 07257/032003; CURRENT APPLICATION NUMBER: US/08/753,143A; CURRENT FILING DATE: 1996-11-20; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NOS 2
LENGTH: 238
; TYBE: PRT
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Patent No. 5912137
GENERAL INFORMATION:
APPLICANT: Tsien, Roger Y.
APPLICANT: Cubitt, Andrew B.
TITLE OF INVENTION: Assays for Protein Kinases Using TITLE OF INVENTION: Fluorescent Protein Substrates NUMBER OF SEQUENCES: 48
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                               ; Score 1263; DB 1;
Pred. No. 2.3e-123;
3; Mismatches 0;
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100.0%;
Best Local Similarity 98.7%;
Matches 235; Conservative 3
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US-08-753-143-2
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61 VTTFSYGVQCFSRYPDHMKRHDFFKSAMPEGYVQERTIFFKDDGNYKTRAEVKFEGDTVV 120
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; Sequence 2, Application US/08792553
; Patent No. 5981200
; Patent No. 5981200
; GENERAL INFORMATION:
APPLICANT: Taien, Roger Y.
APPLICANT: Heim, Roger
TITLE OF INVENTION: Tandem Fluorescent Protein Constructs
NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
COMPUTER: IBM PC Compatible
COPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/792,553
FILING DATE: 31-JAN-1997
CLASSIFICATION: 435
ATTONEX/AGENT INFORMATION:
NAME: Lisa A Haile, Ph.D.
REGISTRATION NUMBER: 38,347
REFERENCE/DOCKET NUMBER: 38,347
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEPRAK: 619-678-5099
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3; Mismatches 0;
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           ATTOCHEY NUMBER: US/08/680,876
FILING DATE: 16-JUL-1996
CLASSIPICATION: 435
ATTOCHEY AGENT INPORMATION:
NAME: Storella, John S.
REGISTATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 023072-0692
TELECOMMUNICATION INFORMATION:
TELECHNOR: (415) 576-0200
TELEPHONE: (415) 576-0300
INPORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%;
98.7%; P
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amino acid
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Best Local Similarity 98.7'
Matches 235; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                          MOLECULE TYPE: protein US-08-680-876-2
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Patent No. 592558

GENERAL INFORMATION:
APPLICANT: Taien, Roger Y.
TITLE OF INVENTION: Assays for Protein Kinases Using
TITLE OF INVENTION: Fluorescent Protein Substrates
NUMBER OF SEQUENCES: 48

COMMERCEPONDEME TOWNSEND and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Indels
                                                                                                                    COMPUTER READABLE FORM:

WEDLUM TYPE: Floppy disk
COMPUTER READABLE FORM:

WEDLUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
CURRENT APPLICATION NUMBER: US/08/679,865
FILING DATE: 16-JUL-1996
CLASSIFICATION NUMBER: US/08/679,865
ATTORNEY/AGENT INFORMATION:
NAME: SCOTELLA, OF NUMBER: 02307Z-069000
TELEPHONE: (415) 576-0300
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Townsend and Townsend and Crew LLP
                           Two Embarcadero Center, Eighth Floor
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-PC-
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Best Local Similarity 98.74
Matches 235; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 , MOLECULE TYPE: protein US-08-679-865-2
                                                  San Francisco
California
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                                                                                                      COUNTRY:
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61 VITXSYGVQCFSRYPDHMKRHDFFKSAMPEGYVQERIIFFKDDGNYKTRAEVKFEGDTLV 120
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US-09-094-359-2
Sequence 2, Application US/09094359
Sequence 2, Application US/09094359
Patent No. 6140132
FRERRAL INFORMATION:
APPLICANT: INFORMATION:
APPLICANT: Miyawaki, Atsushi
APPLICANT: Miyawaki, Atsushi
TITLE OF INVENTION: FILORESCENT PROTEIN SENSORS FOR
TITLE OF INVENTION: FLUORESCENT PROTEIN SENSORS FOR
TITLE OF INVENTION: MEASURING THE PH OF A BIOLOGICAL SAMPLE
FILE REFERENCE: 07257/067001
CURRENT APPLICATION NUMBER: US/09/094,359
CURRENT FILING DATE: 1998-06-09
NUMBER OF SEQ ID NOS: 18
SOFTWARE: FastSEQ for Windows Version 4.0
LENGTH: 238
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 100.0%; Score 1263; DB 3; Length 238; Best Local Similarity 98.7%; Pred. No. 2.3e-123; Matches 235; Conservative 3; Mismatches 0; Indels 0;
                         ; Score 1263; DB 3; Length 238; Pred. No. 2.3e-123; 3; Mismatches 0; Indels 0;
                                                                                              1 MSKGEBLFTGVVPILVBLDGDVNGHKFSVSGEGEGDATYGKLFLKFICT
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                                100.08;
                                                98.78;
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US-09-094-359-2
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                                              Best Local Similarity 98.7
Matches 235; Conservative
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US-09-172-063-2
US-08-753-144-2
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                                                                                                                 Length 238;
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100.0%; Score 1263; DB 2;
Best Local Similarity 98.7%; Pred. No. 2.3e-123;
Matches 235; Conservative 3; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 2, Application US/08753144 Patent No. 6066476
; SEQUENCE CHARACTERISTICS:
; LENGTH: 238 amino acids
; TYPE: amino acid
TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-792-553-2
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TOPOLOGY:
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US-08-753-144-2
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Sequence 2, Application US/08727452A

; Sequence 2, Application US/08727452A
; Patent No. 6319669
; GENERAL INFORMATION:
; APPLICANT: Heim, Roger Y.
; APPLICANT: Heim, Roger Y.
; TITLE OF INVENTION: FLUORESCENT PROTEIN SENSORS FOR DETECTION OF ANALYTES
; TITLE OF INVENTION: PLUORERS. US/08/727,452A
; TITLE OF INVENTION NUMBER: US/08/727,452A
; CURRENT PILING DATE: 1996-013-20
; EARLIER APPLICATION NUMBER: PCT/US95/14692
; EARLIER APPLICATION NUMBER: US 07/337,915
; EARLIER PILING DATE: 1994-11-10
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PRESEQ for Windows Version 3.0
; COFTWARE: PRESEQ for Windows Version 3.0
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                                                                                                                                                                                                                            Query Match 100.0%; Score 1263; DB 3; Best Local Similarity 98.7%; Pred. No. 2.3e-123; Matches 235; Conservative 3; Mismatches 0;
INFORMATION FOR SEQ ID NO: 2: SEQUENCE CHARACTERISTICS: LENGTH: 238 amino acids TYPE: amino acid TOPLOGY: linear MOTEOTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; TYPE: PRT
; ORGANISM: Aequorea victoria
US-08-727-452-2
                                                                                                                                                       MOLECULE TYPE: protein US-09-263-975-2
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LENGTH: 238
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                                         APPLICANT: Remington, S. James
TITLE OF INVENTION: FLUORESCENT PROTEIN SENSORS FOR
TITLE OF INVENTION: MEASURING THE PH OF A BIOLOGICAL SAMPLE
TILLE OF INVENTION: WESTERNING THE PH OF A BIOLOGICAL SAMPLE
TILLE REFERENCE: 07257/071001
CURRENT APPLICATION NUMBER: US/09/172,063
CURRENT FILING DATE: 1998-10-13
FARLIER APPLICATION NUMBER: 09/094,359
SARLIER FILING DATE: 1998-06-09
NUMBER OF SEQ ID NOS: 38
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 2
LENGTH: 238
                                                                                                                                                                                                                                                                                                                                                                                                                          Length 238;
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Patent No. 6248550
GENERAL INFORMATION:
APPLICANT: Tsien, Roger Y.
APPLICANT: Cubitt, Andrew B.
TITLE OF INVENTION: Assays for Protein Kinases Using TITLE OF INVENTION: Fluorescent Protein Substrates NUMBER OF SEQUENCES: 48
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Version #1.30
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Pred. No. 2.3e-123;
3; Mismatches 0;
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APPLICATION NUMBER: US 08/679,865
FILING DATE: 16-JUL-1996
ATTORNEY/AGENT INFORMATION:
NAME: Scorella, John S.
REGISTRATION NUMBER: 32,944
REFERENCE/DOCKET NUMBER: 02307Z-069000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: BATENTIN Release #1.0, Ve.
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/263,975
                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%;
98.7%;
                          Wachter, Rebekka M.
                                                                                                                                                                                                                                                                                                                                                   ; ORGANISM: Aequorea victoria
US-09-172-063-2
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Best Local Similarity 98.7
Matches 235; Conservative
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CLASSIFICATION:
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US-09-263-975-2
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APPLICANT: Aurora Biosciences Corporation
APPLICANT: Aurora Biosciences Corporation
APPLICANT: Cubitt, Andrew B.
TITLE OF INVENTION: Fluorescent Sensors of Post-Translational Modifications
FILE REPERENCE: AUROL270 (08366/031001)
CURRENT APPLICATION NUMBER: US/09/129,192C
CURRENT FILING DATE: 1998-07-24
NUMBER OF SEQ ID NOS: 74
SOFTWARE: Patentin version 3.0
SEQ ID NO 74
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                                                                         1 MSKGEELFTGVVPILVELDGDVNGHKFSVSGEGEGDATYGKLTLKFICTTGKLPVPWPTL 60
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    Gaps
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US-09-129-192C-74
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APPLICANT: Miyawaki, Atsushi
APPLICANT: Miyawaki, Atsushi
APPLICANT: Miyawaki, Atsushi
APPLICANT: Miyawaki, Atsushi
APPLICANT: Remington, S. James
TITLE OF INVENTION: FLUORESCENT PROTEIN SENSORS FOR
TITLE OF INVENTION: MEASURING THE PH OF A BIOLOGICAL SAMPLE
FILE REPERENCE: 07257/071001
CURRENT APPLICATION NUMBER: US/09/602,641
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Pred. No. 2.3e-123;
3; Mismatches 0;
    3, Mismatches
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; Sequence 74, Application US/09129192C
; Extent No. 6, 495664
; GENERAL INFORMATION:
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Best Local Similarity 98.7%; Ratches 235; Conservative 3;
    Matches 235, Conservative
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US-09-602-641-2
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Patent No. 6495664
GRNERAL INFORMATION:
GRNERAL INFORMATION:
GRNERAL INFORMATION:
APPLICANT: Autora Biosciences Corporation
APPLICANT: Andrew B.
TITLE OF INVENTION: Fluorescent Protein Sensors of Post-Translational Modifications
FILE REPERENCE: AUGUSTON (08366/031001)
CURRENT APPLICATION NUMBER: US/09/129,192C
CURRENT FILING DATE: 1998-07-24
NUMBER OF SEQ ID NOS: 74
SOFTWARE: Patentin version 3.0
SEQ ID NO 2
LENGTH: 238
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                                                                                           GENERAL INFORMATION:
APPLICANT: Fisher, Hugh
TITLE OF INVENTION: The Aequorea victoria Green Fluorescent Protein
TITLE OF INVENTION: the Aequorea victoria Green Fluorescent Protein
FILLS REFERENCE: Rutc 99-0011
CURRENT PAPLICATION NUMBER: US/09/418,785
CURRENT FILING DATE: 1999-10-15
PRIOR APPLICATION NUMBER: 60/104,563
PRIOR FILING DATE: 1998-10-16
NUMBER OF SEQ ID NOS: 3
SOFTWARE: FasteseQ for Windows Version 4.0
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                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Aequorea victoria
FUBLICATION INFORMATION:
AUTHORS: Prasher, D.C. et al.
TITLE: Primary structure of the Aequorea victorea green-f
JOURNAL: Gene
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98.7%; Pred. No. 2.3e-123;
tive 3; Mismatches 0;
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; DATABASE ENTRY DATE: 1993-04-26
US-09-418-785-1
                                                               Sequence 1, Application US/09418785; Patent No. 6414119
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Best Local Similarity 98.7
Matches 235; Conservative
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Best Local Similarity
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ORGANISM: Aequorea
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DATE: 1992-01-01
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US-09-129-192C-2
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                                            US-09-418-785-1
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181 HYQQNTPIGDGPVLLPDNHYLSTQSALSKDPNEKRDHMVLLEFVTAAGITHGMDELYK 238
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Best Local Similarity 98.3
Matches 234; Conservative
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                                                           RESULT 15
US-08-337-915A-2
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                                                                                                                                                                                                        Length 238;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PARENT NO. 96.2/1449
GENERAL INFORMATION:
APPLICANT: Taien, Roger Y.
APPLICANT: Indpis, Juan
TITLE OF INVENTION: FLUORESCENT PROTEIN SENSORS FOR
TITLE OF INVENTION: MEASURING THE PH OF A BIOLOGICAL SAMPLE
FILE REPERENCE: 0.7257/067001
CURRENT FILING DATE: 2000-10-31
PRIOR PILING DATE: 1998-06-09
                                                                                                                                                                                                                                            Indels
                                                                                                                                                                                                      Score 1263; DB 4;
Pred. No. 2.3e-123;
3; Mismatches 0;
     CURRENT FILING DATE: 2000-06-22
PRIOR APPLICATION NUMBER: 09/172,063
PRIOR FILING DATE: 1998-10-13
NUMBER OF SEQ ID NOS: 38
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 2
LENGTH: 238
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SOFTWARE: FastSEQ for Windows Version 4.0
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Similarity 98.7%;
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; ORGANISM: Aequorea victoria
US-09-602-641-2
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US-09-704-463-2
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Best Local Similarity 98.7
Matches 235; Conservative
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LENGTH: 238
TYPE: PRT
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US-09-704-463-2
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61 VITXSYGVQCFSRYPDHMKRHDFFKSAMPEGYVQERTIFFKDDGNYKTRAEVKFEGDTLV 120
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US-OW-317915A-5

Sequence 2, Application US/08317915A

Patent No. 562548

GENERAL INCOMMATION:

APPLICANT: Taien, Roger Y.

APPLICANT: Heim, Roger Y.

APPLICANT: USA

APPLICANT: USA

APPLICANT: Heim, Reader Heimer & Carson

APPLICANT: USA

COMPUTER: READABLE FORM:

MEDIUN TYPE: Floppy disk

COMPUTER: Ish PC Compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICANTON NUMBER: US/08/337,915A
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Pred. No. 6e-123;
4; Mismatches 0;
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ne : 44 secs
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FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Spitals, John P.
REGISTRATION NUMBER: 29,215
REFERENCE/DOCKET NUMBER: 1279-
TELECOMMUNICATION INFORMATION:
TELEFAX: (213) 977-1001
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; Search time 145 Seconds (without alignments) 590.450 Million cell updates/sec
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Sequence 3, P
Sequence 34,
Sequence 4, P
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Sequence 74,
Sequence 2, 1
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1 MSKGEELFTGVVPILVELDG......VLLxFVTAAGITHGMDELYK 238
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Sequence 2,
Sequence 2,
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1: \cgn2_6/ptodata/2/pubpaa/USO7_PUBCOMB.pep:*
2: \cgn2_6/ptodata/2/pubpaa/PCT_MRW_PUB_pep:*
2: \cgn2_6/ptodata/2/pubpaa/PCT_MRW_PUB_pep:*
4: \cgn2_6/ptodata/2/pubpaa/USO6_NEW_PUB_pep:*
5: \cgn2_6/ptodata/2/pubpaa/USO6_NEW_PUB_pep:*
6: \cgn2_6/ptodata/2/pubpaa/USO7_NEW_PUB_pep:*
7: \cgn2_6/ptodata/2/pubpaa/USO8_NEW_PUB_pep:*
8: \cgn2_6/ptodata/2/pubpaa/USO8_NEW_PUB_pep:*
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11: \cgn2_6/ptodata/2/pubpaa/USO9_PUBCOMB_pep:*
12: \cgn2_6/ptodata/2/pubpaa/USO9_PUBCOMB_pep:*
13: \cgn2_6/ptodata/2/pubpaa/USO9_PUBCOMB_pep:*
14: \cgn2_6/ptodata/2/pubpaa/USO0_PUBCOMB_pep:*
15: \cgn2_6/ptodata/2/pubpaa/USO0_PUBCOMB_pep:*
16: \cgn2_6/ptodata/2/pubpaa/USO0_PUBCOMB_pep:*
17: \cgn2_6/ptodata/2/pubpaa/USO0_PUBCOMB_pep:*
16: \cgn2_6/ptodata/2/pubpaa/USO0_PUBCOMB_pep:*
17: \cgn2_6/ptodata/2/pubpaa/USO0_PUBCOMB_pep:*
18: \cgn2_6/ptodata/2/pubpaa/USO0_PUBCOMB_pep:*
19: \cgn2_6/ptodata/2/pubpaa/USO0_PUBCOMB_pep:*
               GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
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US-09-967-301-3
US-10-024-686-2
US-10-0293-580-2
US-10-293-580-2
US-10-293-580-74
US-10-724-178-2
US-10-757-624-2
US-10-757-624-2
US-10-757-624-2
US-10-967-301-4
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                                                                                                                                                                                                                                                                                      1599051 seqs, 359727711 residues
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Maximum Match 100%
Listing first 45 summaries
                                                                             OM protein - protein search, using sw model
                                                                                                             January 3, 2005, 14:27:12
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Gapop 10.0 , Gapext 0.5
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Maximum DB seq length: 200000000
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Match Length DB
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Sequence 8, Api
Sequence 1, Api
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Sequence 1, A
Sequence 53,
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                                                                                                                    Sequence 6
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Sequence 1
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NEDIUM TYPE: Floppy disk
COMPUTER: IN PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/884,681
FILING DATE: 19-Jun-2001
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Cubitt, Andrew B.
TITLE OF INVENTION: Assays for Protein Kinases Using Fluorescent Protein Substrates
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES: 48
CORRESPONDENCE ADDRESS:
STREET: Two Embarcadero Center, Eighth Floor
STREET: Two Embarcadero Center, Eighth Floor
STATE: California
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/679,865
FILING DATE: CURKINOWIN-
ATTORIEY/AGENT INFORMATION:
NAME: SLOTELIA, John S.
REGISTRATION NUMBER: 32,944
REPERENCE/DOCKET NUMBER: 023072-069000
TELECOMUNICATION INFORMATION:
TELECHONE: (415) 576-0200
TELEFRAX: (415) 576-0300
                                                  US-09-866-538-2

US-09-794-308-2

US-10-121-258-10

US-10-121-258-10

US-10-305-765-10

US-10-305-765-10

US-10-305-633-10

US-10-305-633-10

US-10-305-633-10

US-10-305-633-10

US-10-305-633-10

US-10-305-633-10

US-10-305-633-10

US-10-305-633-10

US-10-305-633-10

US-10-681-684-4

US-10-688-168-2

US-10-688-168-2

US-10-688-168-2

US-10-688-168-2

US-10-688-168-6

US-10-688-168-6
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Patent No. US20020061546A1
GENERAL INFORMATION:
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                                                                                                                                                                                         Length 238;
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                                                                                                                                                                                       100.0%; Score 1263; DB 9; 98.7%; Pred. No. 7.4e-112; tive 3; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:

Publication No. US20030175859A1

GENERAL INFORMATION:

APPLICANT: Stubbs, Simon L.

APPLICANT: Stubbs, Simon L.

APPLICANT: Jones, Anne E.

APPLICANT: Thomas, Nichael, Nigel, P.

APPLICANT: Thomas, Nicholas, TITLE OF INVENTION: Fluorescent Proteins FILE REFERENCE: PA0111

CURRENT APPLICATION NUMBER: US/09/967,301

CURRENT FILING DATE: 2001-09-28

PRIOR APPLICATION NUMBER: GB 0109858.1

PRIOR APPLICATION NUMBER: 2001-04-23

PRIOR FILING DATE: 2001-04-23

WINDER OF SEQ ID NOS: 19

SOFTWARE: PatentIn Ver. 2.1
                                                                             TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 238 amino acid
TYPE: amino acid
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US-09-967-301-2
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Matches 235; Conservative
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LENGTH: 238
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61 VITXSYGVQCFSRYPDHMKRHDFFKSAMPEGYVQERTIFFKDDGNYKTRAEVKFEGDTLV 120
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 1263; DB 10; Length 238; 98.7%; Pred. No. 7.4e-112; tive 3; Mismatches 0; Indels 0;
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; Publication No. US20020123113A1
; GENERAL INFORMATION:
; TILLE OF INVENTION: MODIFIED GREEN FLUORESCENT PROTEINS
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; STREET: 4225 Executive Square, Suite 1400
; STREET: CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US/10/024,686 FILING DATE: 17-Dec-2001 PRIOR APPLICATION DATA:
Sequence 3, Application US/09967301
Publication No. US2003017585941
GENERAL INFORMATION:
APPLICANT: Stubbs, Simon L.
APPLICANT: Grubbs, Simon L.
APPLICANT: Thomes, Anne E.
APPLICANT: Thomes, Nichael, Nigel P.
APPLICANT: Thomes, Nichael P.
APPLICANT: Thomes, Nichael P.
APPLICANT: Thomes, Nichael Proteins
FILE OF INVENTION Fluorescent Proteins
FILE OF INVENTION NUMBER: US/09/967,301
CURRENT APPLICATION NUMBER: GB 0109858.1
PRIOR APPLICATION NUMBER: GB 0109858.1
PRIOR APPLICATION NUMBER: GB 0109858.1
PRIOR APPLICATION NUMBER: GB 0109858.1
SEQ OFTWARE: Patentin Ver. 2.1
SEQ ID NO 3
LENGTH: 238
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MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 98.7%
Matches 235; Conservative
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Pred. No. 7.4e-112

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LENGTH: 238
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NRIELKGIDFKEDGNILGHKLEYNYNSHNVYIMADKQKNGIKVNFKIRHNIEDGSVQLAD 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           VITXSYGVOCFSRYPDHMKRHDFFKSAMPEGYVQERTIFFKDDGNYKTRAEVKFEGDTLV 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 MSKGEELFTGVVPILVELDGDVNGHKFSVSGEGEGDATYGKLTLKFICTTGKLPVPWPTL 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   HYQQNTPIGDGPVLLPDNHYLSTQSALSKDPNEKRDHMVLLXFVTAAGITHGMDELYK 238
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; Sequence 2, Application US/10057505
; Publication WO. USZO020164674A1
; GENERAL INFORMATION:
APPLICANT: THE RECENTS OF THE UNIVERSITY OF CALIFORNIA
APPLICANT: TSIEN, ROGER
APPLICANT: HEIM, SOGER
APPLICANT: OF INTENTION: TANDEM FLUORESCENT PROTEIN CONSTRUCTS
FILE REFERENCE: REGENIZ60-3
CURRENT FILING DATE: 1997-01-31
PRIOR APPLICATION NUMBER: US 08/792,553
PRIOR PLILIG DATE: 1999-09-13
PRIOR FILING DATE: 1999-09-13
NUMBER OF SEQ ID NOSS: 31
SEQ ID NOS: 31
SEQ ID NOS: 31
SEQ ID NOS: 31
LENGTH. 3.20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; Score 1263; DB 13;
Pred. No. 7.4e-112;
3; Mismatches 0;
                                                                                                                                                                              NAME: Haile, Lisa A. REGISTRATION UNDERF. 38,347
REFERENCE/DOCKET NUMBER: 07257/032002
TELECOMMUNICATION INFORMATION:
APPLICATION NUMBER: 09/057,995
FILING DATE: «Unknown»
APPLICATION NUMBER: 08/727,452
FILING DATE: 10-0CT-1996
APPLICATION NUMBER: US95/14692
APPLICATION NUMBER: 08/337,915
FILING DATE: 10-NOV-1994
                                                                                                                                                                                                                                                                                                                                                                                                                      FRACMENT TYPE: internal SEQUENCE DESCRIPTION: SEQUENCE 2:
                                                                                                                                                                                                                                                                TELEPHONE: 619/678-5070
                                                                                                                                                                                                                                                                                                                                            LENGTH: 238 amino acids
TYPE: amino acid
                                                                                                                                                           ATTORNEY/AGENT INFORMATION:
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Best Local Similarity 98.7%; Ematches 235; Conservative 3;
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SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY: linear MOLECULE TYPE: protein
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ORGANISM: Aequorea victoria
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US-10-057-505-2
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DB 13; Length 238;

100.0%; Score 1263;

Query Match

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Sequence 2, Application US/10293580

Sequence 2, Application Wo. 1020030170767A1

GENERAL INFORMATION:
APPLICAMY: Aurora Biosciences Corporation
APPLICAMY: Cubitt, Andrew B.
TITLE OF INVENTION: Fluorescent Protein Sensors of Post-Translational Modifications
FILE REFERENCE: AUROLATO (08366/031001)
CURRENT APPLICATION NUMBER: US/10/293,580
CURRENT FILING DATE: 2002-11-12
PRIOR APPLICATION NUMBER: US/09/129,192
PRIOR APPLICATION NUMBER: US/09/129,192
PRIOR FILING DATE: 1998-07-24
NUMBER OF SEQ ID NOS: 74
SOFTWARE: Patentin version 3.0
SEQ ID NO 2.
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APPLICANT: Cubit, Andrew B.
TITLE OF INVENTION: Fluorescent Protein Sensors of Post-Translational Modifications
FILE REFERENCE: AURO1270 (08366/031001)
CURRENT APPLICATION NUMBER: US/10/293,580
CURRENT FILING DATE: 2002-11-12
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Pred. No. 7.4e-112;
3; Mismatches 0; Indels 0:
                      Indels
                      3; Mismatches
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98.7%; E
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Best Local Similarity 98.73
Matches 235; Conservative
Best Local Similarity 98.79
Matches 235, Conservative
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US-10-293-580-2
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GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Odyssey Thera, Inc.
APPLICANT: MacDonald, Marnie
APPLICANT: Lamerdin, Jane
APPLICANT: MacDonald, Marnie
APPLICANT: Nachamity June
APPLICANT: Nachamity June
APPLICANT: Lamerdin, Jane
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Publication No. US20040138420A1
GENERAL INFORMATION:
APPLICANT: Stubbs, Simon L. J.
APPLICANT: Jones, Anne E.
APPLICANT: Thomas, Nicholas
TITLE OF INVENTION: Fluorescent Proteins
FILE REFERENCE: PA0111
CURRENT APPLICATION NUMBER: US/10/757,624
CURRENT FILING DATE: 2004-01-14
FRIOR APPLICATION NUMBER: US 09/967,301
FRIOR APPLICATION NUMBER: GB 0109858.1
FRIOR FILING DATE: 2001-09-28
FRIOR FILING DATE: 2001-09-28
FRIOR FILING DATE: 2001-04-23
NUMBER OF SEQ ID NOS: 19
SOFTMARE: PATENTIN VERSION 3.2
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US-10-724-178-2
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Best Local Similarity 98.7<sup>3</sup>
Matches 235; Conservative
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US-10-757-624-2
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US-10-293-580-74
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Publication No. US20030212265A1

GENERAL INFORMATION:
APPLICANT: Miyawaki, Atsushi
APPLICANT: Indopis, Juan
APPLICANT: Hopis, Juan
APPLICANT: Machter, Rebekka M.
APPLICANT: Remington, S. James
TITLE OF INVENTION: MEASURING THE PH OF A BIOLOGICAL SAMPLE
FILE REFERENCE: 07287/071001
CURRENT APPLICATION NUMBER: US/10/457,982
CURRENT APPLICATION NUMBER: US/09/602,641
PRIOR PILING DATE: 2000-06-22
PRIOR FILING DATE: 2000-06-22
PRIOR FILING DATE: 1998-10-13
NUMBER OF SEQ ID NOS: 38
SOFTWARE FASTERE OF Windows Version 4.0
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pred. No. 7.4e-
3; Mismatches
PRIOR APPLICATION NUMBER: US/09/129,192
PRIOR FILING DATE: 1998-07-24
NUMBER OF SEQ ID NOS: 74
SEQ ID NO 74
LENGTH: 238
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Best Local Similarity 98.7%; I
Matches 235; Conservative 3;
                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 98.7%;
Matches 235; Conservative 3
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178-10-457-982-2
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LENGTH: 238
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                                                                                                                                          1 MSKGEELFTGVVPILVELDGDVNGHKFSVSGEGEGDATYGKLTLKFICTTGKLPVPWPTL 60
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                                                         DB 16;
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3; Mismatches
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Publication No. US20040138420A1

GENERAL INFORMATION:

APPLICANT: Stubbs, Simon L. J.

APPLICANT: Jones, Anne E.

APPLICANT: Michael, Nigel P.

APPLICANT: Michael, Nigel P.

APPLICANT: Michael, Nigel P.

APPLICANT: Michael, Nigel P.

TILE OF INVENTION: PLOTESCENT PROCESSION OF THE REFERENCE: PA0111

CURRENT APPLICATION NUMBER: US/10/757,624

CURRENT APPLICATION NUMBER: US/967,301

PRIOR APPLICATION NUMBER: GB 0109858.1

PRIOR FILING DATE: 2001-09-28

PRIOR FILING DATE: 2001-04-23

NUMBER OF SEQ ID NOS: 19

SOFTWARE: PatentIn version 3.2

SEQ ID NO 3.
                                                       Query Match 100.0%; Score 1263; Best Local Similarity 98.7%; Pred. No. 7.46 Matches 235; Conservative 3; Mismatches
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Matches 235; Conservative
; ORGANISM: Aequorea victoria
US-10-757-624-2
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; OTHER INFORMATION: GPP-SELP47K: silk, elastin and green fluorescent protein peptidee US-10-845-936A-34
                                                                                                                                                                                APPLICANT: Cuevas, William A. APPLICANT: Cuevas, William A. APPLICANT: Cuevas, William A. APPLICANT: Kumar, Manoj A. TITLE OF INVENTION: Repeat Sequence Protein Polymer Active Agent Conjugates, Methods TITLE OF INVENTION: and Uses FILE REFERENCE: DOCO068PA/DC3058/GC792 CURRENT APPLICATION NUMBER: US/10/845,936A CURRENT APPLICATION NUMBER: 60/470,464 PRIOR APPLICATION NUMBER: 60/470,464 PRIOR FILING DATE: 2003-05-14 NUMBER: CopyREATE: 2003-05-14 SOFFWARE: PALENTING DATE: 2003-05-14 SOFFWA
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Pred. No. 6.4e-111;
3; Mismatches 0;
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APPLICANT: Stubbs, Simon L.
APPLICANT: Jones, Anne E.
APPLICANT: Tones, Anne E.
APPLICANT: Thomas, Nicholas
TITLE OF INVENTION: Fluorescent Proteins
FILE REFERENCE: PA0111
CURRENT APPLICATION NUMBER: US/09/967,301
CURRENT FILING DATE: 2001-09-28
FRIOR FILING DATE: 2001-04-23
NUMBER OF SEQ ID NOS: 19
SOFTWARE: Patentin Ver: 2.1
SOFTWARE: Patentin Ver: 2.1
LENGTH: 238
Sequence 34, Application US/10845936A Publication No. US20040234609A1 GENERAL INFORMATION: APPLICANT: Collier, Katherine D.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 98.7%; | Matches 235; Conservative 3.
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Best Local Similarity
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Sawano, Asako
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                                                   181 HYQQNTPIGDGPVLLPDNHYLSTQSALSKDPNEKRDHNVLLEFVTAAGITHGMDELYK 238
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0; Indels
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99.8%; Score 1260; DB 16;
Best Local Similarity 98.3%; Pred. No. 1.4e-111;
Matches 234; Conservative 4; Mismatches 0;
 4; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Stubbs, Simon L. J.
APPLICANT: Stubbs, Simon L. J.
APPLICANT: Jones, Anne E.
APPLICANT: Jones, Anne E.
APPLICANT: Thomas, Nicholas
TITLE OF INVENTION: Fluorescent Proteins
FILE REFERENCE: PAOLIJI
CURRENT PAPLICATION NUMBER: US/10/757,624
CURRENT FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US 09/967,301
PRIOR APPLICATION NUMBER: GB 0109858.1
PRIOR PILING DATE: 2001-09-28
PRIOR PILING DATE: 2001-09-28
NUMBER OF SEQ ID NOS: 19
SEQ ID NO 4
SEQ ID NO 4
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Publication No. US20040138420A1
GENERAL INFORMATION:
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 234; Conservative
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; Sequence 4, Application US/09920922; Patent No. US20020083488A1; GENERAL INFORMATION:

RESULT 15 US-09-920-922-4 APPLICANT: Miyawaki, Atsushi

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61 VTTXSYGVQCFSRYPDHMKRHDFFKSAMPEGYVQERTIFFKDDGNYKTRAEVKFEGDTLV 120
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4; Mismatches 0;
TITLE OF INVENTION: METHOD FOR MUTAGENESIS FILE REFERENCE: 11283-012001
CURRENT APPLICATION NUMBER: US/09/920,922
CURRENT APPLICATION NUMBER: US/09/920,922
PRIOR APPLICATION NUMBER: JP 2000-237166
PRIOR FILING DATE: 2000-08-04
NUMBER OF SEQ ID NOS: 9
SOUTHARE: FASTSEQ for Windows Version 4.0
LENGTH: 238
                                                                                                                                                                                                                                                                                                     Score 1259;
Pred. No. 1.
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                                                                                                                                                                                                                     ; TYPE: PRT
; ORGANISM: Aequorea victoria
US-09-920-922-4
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Matches 234; Conservative
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